

LIVABLE MECK
YOUR VOICE. YOUR VISION.

ENGAGEMENT CAFÉ

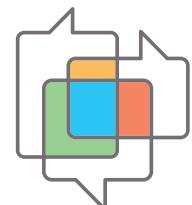
September 21, 2017



YOUR VOICE. YOUR VISION.

SOLID WASTE & RECYCLING ENGAGEMENT CAFÉ

September 21, 2017



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AGENDA

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- ▶ Highlights of Current Services
- ▶ Trends & Impacts
- ▶ Decisions for the Future

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LIVABLE MECK

COMMUNITY PLAN BASED ON 120 ORGANIZATIONS & 2000 VOICES

Guiding Principles							
Descriptors	Character. Entertainment. Opportunity. Safe Neighborhoods.	Jobs. Entrepreneurship. Commerce.	Engaged Residents. Transportation Choices.	Community. Participation.	A Skilled Workforce. Quality Education.	Physical Activity. Healthy Foods. Clean Environment.	Future Well-being. Collaboration.
Strategies	<ul style="list-style-type: none"> Build safe neighborhoods Increase access to community-based arts, science, and history education Continue to be an inviting destination for residents, visitors and businesses Celebrate and integrate history, culture and diversity 	<ul style="list-style-type: none"> Make it easier for new businesses to succeed and existing businesses to flourish Increase global economic competitiveness Promote the redevelopment, reuse, and rehabilitation of declining and vacant properties Leverage technology 	<ul style="list-style-type: none"> Expand capacity and increase use of sidewalks, bikeways, greenways/paved trails, bus routes, and rail Build stronger connections across diverse population groups 	<ul style="list-style-type: none"> Balance available housing options Coordinate the work of organizations addressing the needs of at-risk residents Expand the availability of affordable recreation and cultural services programs 	<ul style="list-style-type: none"> Expand and enhance learning across all age groups Enhance partnerships between workforce development initiatives and employers 	<ul style="list-style-type: none"> Create a culture of health and wellness Protect and restore the natural environment Coordinate open space, greenways/paved trails, and parks planning with neighborhood accessibility 	<ul style="list-style-type: none"> Manage zoning and development to revitalize community character and the natural environment while allowing for growth and innovation Manage resources wisely Develop community and neighborhood leaders for the future

TODAY'S OBJECTIVES

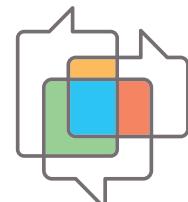
- **Educate partners** about solid waste and recycling services.
- **Inform partners** about the impacts and trends.
- **Ask partners** for their thoughts and priorities for the future.
- **Involve partners** in recommendations for the future.





YOUR VOICE. YOUR VISION.

JEFFREY SMITHBERGER
MECKLENBURG COUNTY SOLID
WASTE DIRECTOR



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LEARNING OBJECTIVES

- Expand your **knowledge** about Solid Waste Management
- Discuss the **big picture** of our operations
- Provide **feedback** to influence our **community's future**



A FEW QUESTIONS...

Where does your trash and recycling go?

Away is not an appropriate answer.

How much do you pay for trash?

Is this important to you?

As Mecklenburg County moves forward into our future these two questions will be paramount in our decision matrix.

WE DON'T DO THIS...



OUR VISION

To operate solid waste management systems that serve the public in a **safe, efficient**, and **cost effective** manner. Minimizing waste generation, always looking to the future.

COUNTY AGREEMENTS

Mecklenburg County has an agreement with:

- The City of Charlotte
- The 6 Towns in Mecklenburg County
 - Davidson
 - Pineville
 - Cornelius
 - Matthews
 - Huntersville
 - Mint Hill

The County will provide solid waste disposal capacity as part of these agreements. This agreement runs through 2028.

OUR FACILITIES



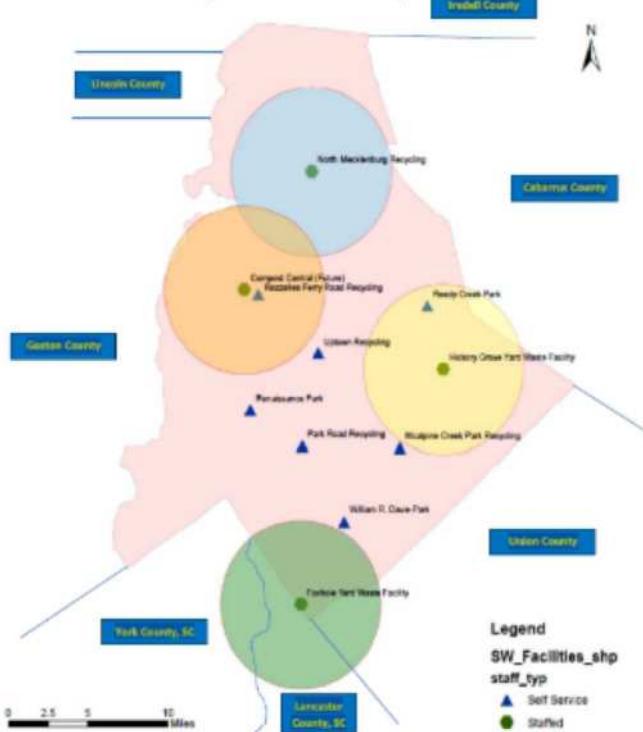
CURRENT FACILITIES

Full Service Centers:

- North Meck
- Hickory Grove
- Compost Central
- Foxhole
- Metal And Tire Site*

7 Remote Recycling Sites

Mecklenburg County, NC
Active SW Facilities as of April 2017
(5-mile Distance)



SOLID WASTE SERVICES

Requiring various permits and knowledge



WHO WE SERVE

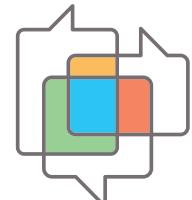
- All residents of Mecklenburg County
- Some residents outside of Mecklenburg County,
Lancaster SC, Union, Cabarrus.
- Visit us online @ www.WipeOutWaste.com



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FUTURE SOLID WASTE MANAGEMENT

Balancing Services, Contamination, Cost, and Capacity



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WHAT WE DO (EVERY YEAR)

We manage public Solid Waste for the government units in Mecklenburg County



Speedway Landfill:
384,000 tons

Commercial & Development Waste



Foxhole Landfill:
116,000 tons

Recycling Facility



Materials Recovery Facility:
76,000 tons

Yard Waste Facility



Compost Central:
130,000 tons

706,000 TOTAL TONS

TELEVISION AND ELECTRONICS

Mecklenburg County Solid Waste processes almost 4 tractor trailer loads of TV's EACH week.

Over 28,000 TV's each year.

52 x



TIRES

We process almost six tractor trailer loads of tires EACH week.

Roughly 312 tractor trailers each year.

52 x





PAPER SHREDDING



ECOFLO

Taking The Hazard Out Of Waste Management

800-999-6510

www.ecoflo.com



CESOG DAY

Concrete Diversion:
FY 16 7,137
FY 17 8,486



Drywall Diversion:
FY 16 4,971
FY 17 6,541



DRYWALL DIVERSION

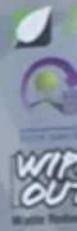


recycle



runway

ECO FASHION SHOW



RECYCLE THE RUNWAY



WHY DO WE ADVERTISE?

SPECIFIC MESSAGING

Never in curbside cans.

Rechargeable batteries are a new and emerging problem for curbside recycling.

**NO PROPANE TANKS
NO FLAMMABLE SUBSTANCES**



All gasoline & oil must be drained from mowers and engines

MRF





Plastic bags wrapped around equipment at the Materials Recycling Facility, causing damage to equipment and hazards for employees.



Employees must hand sort contamination at remote self service recycling sites.



Plastic bags of leaves received during a one week period in November 2016.

REMEMBER TO #RECYCLERIGHT

 **At Home, Don't Just RECYCLE**
Recycle Right!

YES!

Paper, Junk Mail & Paperboard Boxes, Aluminum Cans, Glass Bottles & Jars, Flattened Cardboard, Plastic Bottles Jugs & Tubs, Juice & Milk Cartons

NO!

Food, Plastic Bags & Trash, Shredded Paper, Scrap Metal & Auto Parts, Plastic Film, Cords

Many of the unaccepted items above can be taken to retailers, or Mecklenburg County Full Service Recycling Locations where they are recycled through separate systems.

For more information, visit [WipeOutWaste.com](#) or call 980.314.3867 for our automated 24-hour line.

YES! RECYCLE RIGHT!

Recycled Paper can become: Paper towel, paper plate, paper napkin, paper product. Did you know? Every ton of recycled paper can save the energy equivalent of 160 gallons of gasoline.

NO PLASTIC BAGS & PLASTIC FILM

Plastic bags are hard to recycle according to the manufacturer. If you bring the bag to a grocery store, please recycle it at the grocery store or trash it.

NO STYROFOAM & CLEAR CLAM SHELLS

Although Styrofoam is recyclable, it requires right specialized equipment that Mecklenburg County's Material Recovery Facility (MRF) does not have.

NO SHREDDED PAPER

Shredded paper needs to be put in a shredder bin with the regular trash. Items will not be accepted for recycling. Mecklenburg County has an annual shredding event in the fall. Details can be found at [Mecklenburg County Solid Waste](#).

NO HOUSEHOLD GLASS

Light glass is accepted glass on an interim basis. Heavy glass is dangerous & should not be placed in your recycling bin. Light bulb & fluorescent tube disposal information is available at any Mecklenburg County Full Service Recycling Center.

NO CERAMICS, POTTERY, POTS & PANS

These items, including coffee mugs & dinnerware, are not recyclable. Please take them to a Landfill if you do not have access to a recycling center or to any Mecklenburg County Full Service Recycling Center.

NO PAINT, PESTICIDES, AUTOMOTIVE FLUIDS, CAR & OTHER BATTERIES

Drop off at a car or oil recycling site. Please take them back to any Mecklenburg County Full Service Recycling Center for proper disposal.

NO AUTOMOTIVE PARTS & SCRAP METAL

Should not be put in your recycling bin. These items should be taken to a Landfill or to any Mecklenburg County Full Service Recycling Center. Please contact companies in the area prior to use for scrap metal.

NO CLOTHING & TEXTILES

Clothing, jeans and rags should not be placed in your recycling bin. Please donate gently used clothing.

NO FOOD

Food items can be composted if you have a compost bin at home. If you do not have a compost bin, please dispose of food waste in the trash bin.

NO EXHAUSTED AIRCRAFT, INSECT, COAT HANGERS, & REFLECTOR COVERS

Tapestry should be cleaned at a carpet cleaning service. Throw them away once the material requirement is met or to the trash bin.

Fact Source: Websites for EPA and Household Waste & Recycling Association begin with the letter "E".

AN EXAMPLE:

In 2017, the City of Charlotte generated:

~220,000 tons of trash @ \$32/ton = \$7,040,000

But what if the disposal rate went to...

- \$60/ton
- \$80/ton
- \$120/ton

THE COST WOULD BE:

- \$60/ton \$13.2 M **\$6.2M** increase
- \$80/ton \$17.6M **\$10.6M** increase
- \$120/ton \$26.4M **\$19.4M** increase

REPUBLIC CONTRACT (2020)

- We have done a search, with the aid of HDR Engineering, to see what other “permitted” solid waste facilities are within range of Mecklenburg County.
- We have determined that the only 3 facilities are:
 - Speedway Landfill
 - Foxhole Landfill
 - Rowan County Landfill
- From those 3 options, only one is viable.

TECHNOLOGY

- Landfilling of waste is the most prevalent technology used in the US
- Why?
 - It is relatively inexpensive (compared to other technologies)
 - Modern landfills are considered safe, as they have liners and groundwater protection features
 - They are not dependent upon mechanical systems that break (no conveyor belts, no combustion control systems, etc.)
- Other technology: Waste to Energy
 - Is relatively expensive
 - Produces either power or steam

PROJECTS THIS FISCAL YEAR

- 2 additional scales at Foxhole Landfill
- 2 scales at North Meck; Plus a new traffic pattern at North Meck with new fee booth
- Additional fee booth at Hickory Grove and new traffic pattern
- Covered area at Foxhole to store ground drywall
- Several paving projects

FUTURE CAPACITY

DSM Environmental completed a utilization assessment of full-service and self-service waste and recycling facilities.

Conclusions:

1. Full-service facilities were not designed for the traffic they now handle
2. Some self-service facilities are experiencing illegal dumping

Mecklenburg County, NC
Active SW Facilities as of April 2017
(5-mile Distance)

Solid Waste Facilities operate under permits issued by the NC DEQ.

Each facility has permit conditions, such as where we can receive waste from; how high the landfill can go; what we can accept; and what items are banned.

PATH FORWARD

- ✓ **Educate partners** about solid waste and recycling services.
- ✓ **Inform partners** about the impacts and trends.

Now...

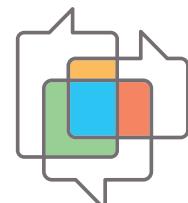
- **Ask partners** for their thoughts and priorities for the future.
- Promise = ensure public concerns and aspirations are reflected in future decisions.





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TABLE DISCUSSIONS



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FEEDBACK

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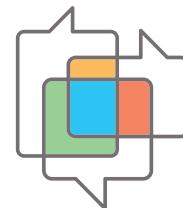
FEEDBACK

Individual Survey



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A CALL TO ACTION



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ENGAGEMENT CAFÉ

APPLYING INFORMATION & FOSTERING ACTION

- As a Partner organization, what will you do this week?
- As a Partner organization, what will you do this year?
- To accomplish your commitments, would you like to collaborate with other Livable Meck Partners? If so, who?
- Are there supports (i.e. engage, facilitate, measure, or communicate) Livable Meck could offer you as you take action?

CLOSING REMARKS

- ✓ Thank you attending today's Engagement Café!
- ✓ Next Steps
- ✓ Stay Informed
 - On Facebook & Twitter **Wipe-out Waste** and **Livable Meck**
 - LivableMeck.com and register for our bulletins.